SKILL 9
SKILLS FOR LIFE

Machine Learning

And AI

"Learn Machine Learning
And
Artificial intelligence"

Transform your future with our education

SKILL9 Universal Academy
SS Prime, AGB Layout,
Hesaraghatta Main Road, Bengaluru

info@skill9academy.com
+91 8035893531 / +91 8035893532
www.skill9academy.com

Why take this course?

- **Designed for Graduates/Under Graduates or job seekers and professionals who wants to enhance their technical knowledge**
- **Studying/Studied GRADUATION**
- **Any Graduate/engineer who is interested in Coding Freshers/Graduates**
- **Non-programming engineers**

In addition Course helps you

- **Improve your logical thinking: Improve your problem-solving abilities**
- **Improve your searching skills: Understand how software applications work**
- **Find a nice and well-paid job; Improve your self-confidence**
- **100% JOB ASSISTANCE after completion of course to make your Profile reach to Hundreds of Recruiters in our network and with the company we have tie up**

Features

- **Real-Time Projects**
- **Hand's On Experience**
- **Mock Tests and Mock Interviews**
- **Daily Assignments and Seminars**

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PYTHON FOR DATA SCIENCE

- Python Basics
- Data Structures & Handling
- Functions
- NumPy
- Pandas

STATISTICAL METHODS FOR DECISION MAKING

- Descriptive Statistics
- Probability and Distributions
- Hypothesis Testing
- ANOVA, ChiSquare
- Statistical Simulation Techniques

DATABASE AND SQL

- Database Concepts
- Data Models and SQL
- Sub Queries and Joins
- Analytical / Window Functions
- Transaction Processing - ACID Properties

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MODULE 2

REGRESSION ALGORITHMS

- Exploratory Data Analysis
- Feature Engineering
- Linear Regression - Model Building & Fine Tuning
- Regularization Techniques
- Model Deployment

MATHEMATICAL FOUNDATION

- Linear Algebra for Data Science
- Matrices and Image Processing
- Functions and Derivatives
- Optimisation and Loss Functions

DATA VISUALIZATION

- Structuring Analytic Problems
- Analytical Framework
- Data Storytelling
- Dashboard and Visualization Principles
- Tableau
- PowerBI

CLASSIFICATION ALGORITHMS

- Logistic Regression
- K-Nearest Neighbours
- Decision Trees
- Ensemble Techniques
- Random Forest

TIME SERIES

- Moving Average
- Time Series Forecasting
- Auto-correlation
- ARIMA

UNSUPERVISED ALGORITHMS

- Clustering Techniques
- K-means Algorithm
- Dimensionality Reduction
- Recommender System

NATURAL LANGUAGE PROCESSING

- Text Analytics - Basics
- Document Summarization and Classification
- Web Scraping
- Sequential Modelling
- Transformers

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DEEP LEARNING

- Neural Networks
- Tensorflow and Keras
- Computer Vision, CNN and Applications
- Transfer Learning and Applications
- Object Detection, Siamese Networks, and GANs.

BIG DATA

- Hadoop
- HDFS and Map Reduce
- NoSQL and MongoDB
- Batch Processing (Hive, HBase)
- Real Time Processing (Spark, Kafka)

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